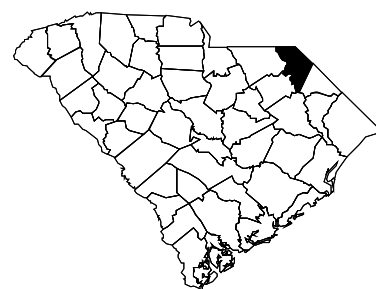


IMPACT OF CHRONIC CONDITIONS MARLBORO County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Marlboro county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Marlboro county's population is similar to the state population. The majority (38%) of the population in Marlboro county are between the ages of 18-44, and there are more females (50.3%) than males (49.7%). However, Marlboro county has a higher minority population (56%) than the state (31%). When adults in DHEC's Region 4, which includes Marlboro County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 200 (SC was 82%).

	MARLBORO COUNTY	STATE
Population size	28,021	4,255,083
Age distribution (%)		
<18	24	24
18-44	38	38
45-64	26	25
65-84	11	11
85+	2	2
Race (%)		
White	44	69
Black & Other	56	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Marlboro County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	22
Sedentary lifestyle	32	26
Overweight	65	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	29.5	.	.	.	.	31.7
Number of hospitalizations	50	37	13	26	24	5,032
Crude rate of hospitalizations (per 100,000)	178	237	105	187	170	118
Median age of hospitalized patients	62	62	62	60	62	57
Total cost of hospitalization (\$)	1,069,200	753,200	316,000	563,400	505,800	109,400,500
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	106	74	31	37	69	7,466
Crude rate of ED visits (per 100,000)	378	475	249	265	490	175
Median age of ED patients	47	47	57	42	52	52
Total cost of ED visits (\$)	142,700	93,900	48,800	44,500	98,200	9,929,000
Number of deaths**	4	3	1	1	3	423
Age-Adjusted Death rate (per 100,000)**	14	25	6	11	17	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	430	204	226	219	211	60,901
Crude rate of hospitalizations (per 100,000)	1,535	1,308	1,819	1,571	1,498	1,431
Median age of hospitalized patients	62	62	67	62	67	67
Total cost of hospitalization (\$)	11,580,600	4,491,100	7,089,500	6,263,600	5,317,000	2,286,836,400
Average length of hospital stay (days)	4	4	5	4	4	5
Number of ED visits	151	76	75	74	77	12,989
Crude rate of ED visits (per 100,000)	539	487	604	531	547	305
Median age of ED patients	62	62	62	57	67	62
Total cost of ED visits (\$)	535,700	213,300	322,400	292,800	242,900	42,115,900
Number of deaths**	129	55	71	72	57	9,328
Age-Adjusted Death rate (per 100,000)**	442	441	443	681	314	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	97	50	47	51	46	13,925
Crude rate of hospitalizations (per 100,000)	346	321	378	366	327	327
Median age of hospitalized patients	67	62	67	67	67	72
Total cost of hospitalization (\$)	2,428,100	1,275,200	1,152,900	1,341,300	1,086,800	384,441,600
Average length of hospital stay (days)	5	5	6	6	5	6
Number of ED visits	36	18	18	17	19	2,515
Crude rate of ED visits (per 100,000)	128	115	145	122	135	59
Median age of ED patients	52	52	52	52	67	67
Total cost of ED visits (\$)	171,100	85,000	86,100	74,200	96,900	9,113,000
Number of deaths**	13	6	7	5	8	2,440
Age-Adjusted Death rate (per 100,000)**	46	51	43	41	46	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	96	28	67	44	52	15,753
Crude rate of hospitalizations (per 100,000)	343	180	539	316	369	370
Median age of hospitalized patients	57	45	62	57	57	62
Total cost of hospitalization (\$)	1,424,700	311,200	1,113,500	641,900	782,800	268,425,300
Average length of hospital stay (days)	3	2	4	3	3	5
Number of ED visits	412	249	163	210	202	36,543
Crude rate of ED visits (per 100,000)	1,470	1,597	1,312	1,507	1,434	859
Median age of ED patients	40	37	47	37	42	37
Total cost of ED visits (\$)	538,300	286,800	251,500	306,900	231,400	40,613,700
Number of deaths**	13	3	10	7	6	1,968
Age-Adjusted Death rate (per 100,000)**	44	22	64	56	36	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	94	60	34	47	47	9,027
Crude rate of hospitalizations (per 100,000)	335	385	274	337	334	212
Median age of hospitalized patients	57	57	55	47	57	52
Total cost of hospitalization (\$)	1,941,000	1,062,500	878,500	1,081,600	859,400	179,747,700
Average length of hospital stay (days)	5	4	8	6	4	6
Number of ED visits	119	91	28	48	71	9,603
Crude rate of ED visits (per 100,000)	425	584	225	344	504	226
Median age of ED patients	57	57	57	57	57	52
Total cost of ED visits (\$)	193,200	130,600	62,600	74,300	118,900	13,447,300
Number of deaths**	4	3	1	3	1	1,183
Age-Adjusted Death rate (per 100,000)**	14	24	9	25	5	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	94	41	53	43	51	16,389
Crude rate of hospitalizations (per 100,000)	335	263	427	309	362	385
Median age of hospitalized patients	62	62	62	62	62	62
Total cost of hospitalization (\$)	3,592,500	1,801,400	1,791,100	1,912,400	1,680,100	664,309,500
Average length of hospital stay (days)	8	9	7	9	6	8
Number of deaths**	70	29	41	37	33	8,617
Age-Adjusted Death rate (per 100,000)**	235	220	254	312	187	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	1	13	7	7	2,070
Crude rate of hospitalizations (per 100,000)	50	6	105	50	50	49
Median age of hospitalized patients	62	85	62	52	67	67
Total cost of hospitalization (\$)	759,700	70,200	689,500	406,200	353,500	101,377,700
Average length of hospital stay (days)	10	19	10	11	10	10
Number of deaths**	3	1	2	1	2	812
Age-Adjusted Death rate (per 100,000)**	10	6	13	9	11	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	5	4	-	9	1,228
Crude rate of hospitalizations (per 100,000)	64	64	64	-	55	56
Median age of hospitalized patients	62	62	55	-	62	62
Total cost of hospitalization (\$)	250,900	121,400	129,500	-	250,900	26,163,000
Average length of hospital stay (days)	4	4	4	-	4	3
Number of deaths**	6	4	2	-	6	651
Age-Adjusted Death rate (per 100,000)**	36	58	22	-	36	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	-	1	192
Crude rate of hospitalizations (per 100,000)	7	13	-	-	7	9
Median age of hospitalized patients	67	67	-	-	67	47
Total cost of hospitalization (\$)	37,000	37,000	-	-	37,000	4,668,500
Average length of hospital stay (days)	9	9	-	-	9	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	5	-	10	-	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	3	9	6	6	2,181
Crude rate of hospitalizations (per 100,000)	43	19	72	43	43	51
Median age of hospitalized patients	62	72	62	62	67	67
Total cost of hospitalization (\$)	406,500	145,000	261,500	264,900	141,600	92,775,300
Average length of hospital stay (days)	8	14	6	11	6	9
Number of deaths**	29	6	23	16	13	2,703
Age-Adjusted Death rate (per 100,000)**	97	44	141	134	76	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	3	1	4	-	1,209
Crude rate of hospitalizations (per 100,000)	29	39	16	22	-	58
Median age of hospitalized patients	65	67	47	65	-	62
Total cost of hospitalization (\$)	242,300	222,400	19,900	242,300	-	30,356,600
Average length of hospital stay (days)	10	13	3	10	-	4
Number of deaths**	5	2	3	5	-	460
Age-Adjusted Death rate (per 100,000)**	47	41	51	47	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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